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## EUROPEAN PATENT APPLICATION

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㉒ Apparatus for quickly ironing cloth articles in general.

㉓ The apparatus comprises a base body (1), preferably of parallelepipedal shape and provided with sliding wheels (2) and a handle (3).

From the base body there extends a vertical post (4), which is provided at the top thereof with a cloth article supporting portion, comprising a hook segment (5) thereon a cloth hanger (6) may be arranged.

In the inside of the base body there is provided a water containing vessel (10), provided at the top thereof with a water inlet opening, effective to be closed by a plug member (11) and accessible from the top surface of the base body.

In the vessel an electrical resistance (12) is housed which may be coupled to the mains through a control thermostat (13). The vessel is coupled to a flexible duct (20), thereto a steam delivery outlet is associated.

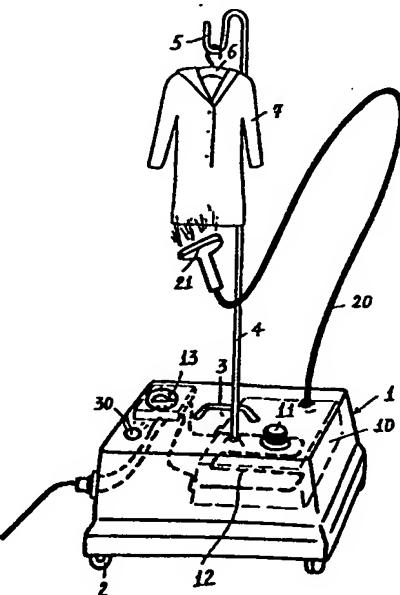


Fig 1

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BACKGROUND OF THE INVENTION

The present invention relates to an apparatus for quickly ironing cloth articles in general.

As it is known a presently very felt problem is that of quickly ironing cloth articles, such as clothes and the like, mainly made of wool, knitted fabrics or other like fabrics.

On the other hand it is also known that ironing by the conventional steam ironing devices is a rather difficult operation, requiring a lot of time.

That problem, in addition to being a very important one for home applications, is also very important in hotels, communities and the like, therein the cloth articles are to be ironed in a time as little as possible.

Other known solutions for ironing cloth articles generally provide for the use of an inflatable manikin; thereon the cloth article to be ironed is laid to be successively acted upon by steam and hot air jets; this solution, however, may be adopted only in ironing shops or especially equipped rooms; thus it can not be adopted in the above mentioned cases or in

small size rooms.

SUMMARY OF THE INVENTION

Accordingly the main object of the present invention is to provide an apparatus for quickly ironing cloth articles in general which is effective to allow for the cloth articles to be quickly ironed by using constructionally simple and low cost means.

Another object of the present invention is to provide such a quick ironing apparatus which is effective to be easily handled and transported, is of reduced size and may be used by unskilled operators.

Yet another object of the present invention is to provide an apparatus for quickly ironing cloth articles in general which is very flexible in operation and which, while being structurally very simple, is effective to surely operate.

Yet another object of the present invention is to provide such a quick ironing apparatus which is particularly effective to be used in hotels, small communities as well as in home applications.

According to one aspect of the present invention, the thereinafore mentioned objects as well as yet other

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objects which will become more apparent hereinafter, are achieved by an apparatus for quickly ironing cloth articles in general, characterized in that it comprises a base body thererrom a vertically extending post extends,derining at the top thereof a cloth article supporting portion, a water containing vessel being provided in said body, said water being caused to evaporate by a provided electrical resistance, a flexible duct communicating with said vessel and being provided with a steam delivery outlet.

BRIEF DESCRIPTION OF THE DRAWING

Further characteristics and advantages will become more apparent thereinafter from the following detailed description of an apparatus for quickly ironing cloth articles in general, being illustrated by way of an indicative but not limitative example, in the accompanying drawing the one figure thereof is a schematic perspective view illustrating the ironing apparatus according to the present invention.

DESCRIPTION OF THE PREFERRED EMBODIMENT

With reference to the figure of the accompanying drawing, the apparatus for quickly ironing cloth articles in general, according to the present invention, comprises

a base body 1, which has preferably though not necessarily a parallelepipedal shape, and which is mounted on sliding wheels, for being quickly displaced from an use place to another use place.

Moreover, on the top surface thereof, the base body 1 is provided with a gripping handle indicated at 3.

From the base body 1, a vertical stem or post 4 extends which latter is provided, at the top thereof, with a cloth article supporting means, which latter, advantageously consists of a hook segment 5, thereon the hanger 6 may be applied for supporting the cloth article 7.

In the inside of the base body 1 there is provided a water containing vessel or tank 10, which is provided, at the top thereof, with an inlet opening effective to be closed by a plug member 11, and accessible from the top surface of said base body 1.

Inside the vessel 10 there is provided an electrical resistance 12, for electrically heating water contained in the vessel 10, to bring said water to its vaporization temperature.

The electrical resistance 12 is electrically

coupled to the mains through the interposition of a control thermostat 13.

A flexible duct is moreover provided, indicated at 20 and communicating with the water vessel 10, said flexible duct being provided at one end thereof with a steam delivery outlet 21.

The ironing apparatus is further provided with a warning lamp 30 effective to signal the operative condition of the apparatus and also provided on the base body 1.

The apparatus according to the present invention operates in a very simple way.

Infact, for quickly ironing a cloth article, it will be sufficient to apply to the hook member 5 said cloth article 7 and, after having switched on the apparatus, wait for the delivery of steam through the outlet 21 and cause the steam delivery outlet 21 to pass in the proximities of the cloth article thereby ejecting on said cloth article 7 steam jets, effective to quickly and efficiently iron the cloth article fibers, mainly in the case of a wool or knitted fabric.

As the ironing apparatus is not used, the hook member 5 will act as a support for the steam delivery outlet or fitting 21.

From the above disclosure it should be noted that the ironing apparatus according to the present invention fully achieves the intended objects.

In particular it should be noted that the subject apparatus is a very flexible and efficient one.

In fact, since it is of very reduced size and may be easily handled, may be directly and quickly brought to the use place, therein it is possible to quickly obtain a delivery of steam, the temperature and flow-rate thereof may be adjusted by means of the mentioned thermostat 13.

Thus the ironing apparatus according to the present invention is particularly suitable for large hotels, therein the need is felt of quickly ironing a lot of cloth articles without using the conventional apparatus which are of large size and very expensive.

In particular the steam jets, which are ejected with a great speed, allow for the cloth articles to be perfectly ironed.

In practicing the invention the used materials, as well as the contingent shapes and size may be any according to needs.

C L A I M S

1- An apparatus for quickly ironing cloth articles in general, characterized in that it comprises a base body therefrom a vertically extending post extends, defining at the top thereof a cloth article supporting portion, a water containing vessel being provided in said body, said water being caused to evaporate by a provided electrical resistance, a flexible duct communicating with said vessel and being provided with a steam delivery outlet.

2- An apparatus for quickly ironing cloth articles in general, according to the preceding claim, characterized in that said cloth article supporting portion consists of a hook member as formed at the top end of said vertically extending post.

3- An apparatus for quickly ironing cloth articles in general, according to the preceding claims, characterized in that said body is mounted on wheel members.

4- An apparatus for quickly ironing cloth articles in general, according to one or more of the preceding claims, characterized in that said water containing vessel is provided with an inlet opening, said inlet opening being closed by a plug member and accessible

at said base body top surface.

5- An apparatus for quickly ironing cloth articles in general, according to one or more of the preceding claims, characterized in that it comprises a handle arranged at the top surface of said base body.

6- An apparatus for quickly ironing cloth articles in general, according to one or more of the preceding claims, characterized in that said electrical resistance is operated through a thermostat.

7- An apparatus for quickly ironing cloth articles in general, according to one or more of the preceding claims, characterized in that it comprises a warning lamp effective to signal the operating status of said apparatus.

8- An apparatus for quickly ironing cloth articles in general, according to one or more of the preceding claims, characterized in that said steam delivery outlet or fitting is effective to be engaged with a hook member in the non-use condition of said apparatus.

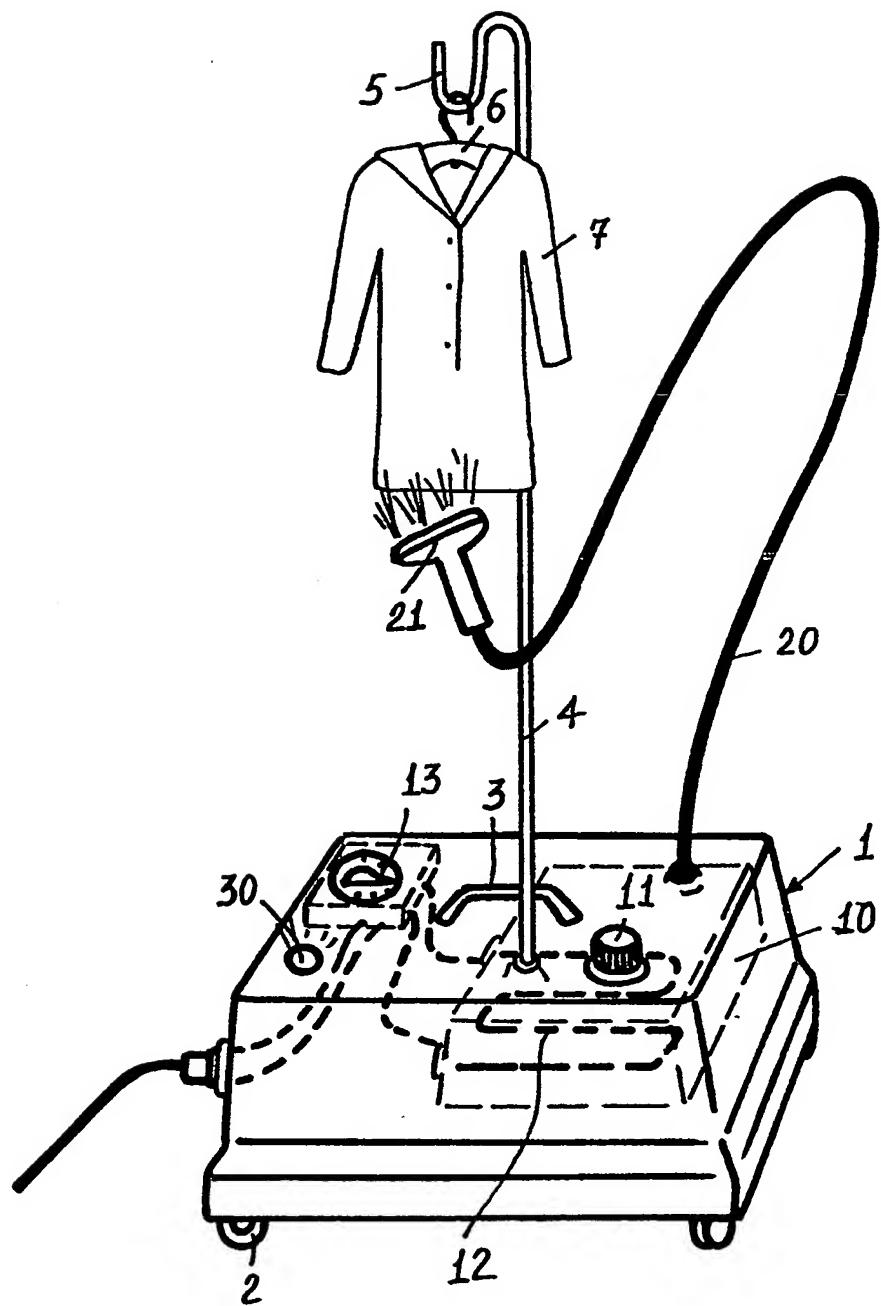


Fig. 1



EUROPEAN SEARCH REPORT

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Application number

EP 82 83 0275

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 5)
Category	Citation of document with indication, where appropriate, of relevant passages		
Y	--- US-A-3 581 529 (MITCHELL et al.) * Figure 1 *	1,2	D 06 F 87/00
Y	--- US-A-3 601 292 (BLISS) * Figure 1 *	1,2	
A	--- DE-U-7 714 036 (JENNEWEIN) * Figure 1 *	1-3	
A	--- US-A-1 597 418 (SUBLETTE) -----		
		TECHNICAL FIELDS SEARCHED (Int. Cl. 5)	
		D 06 F 73/00 D 06 F 87/00	
The present search report has been drawn up for all claims			
Place of search BERLIN	Date of completion of the search 19-01-1983	Examiner KLITSCH G	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			